PICProto14 Prototyping Board

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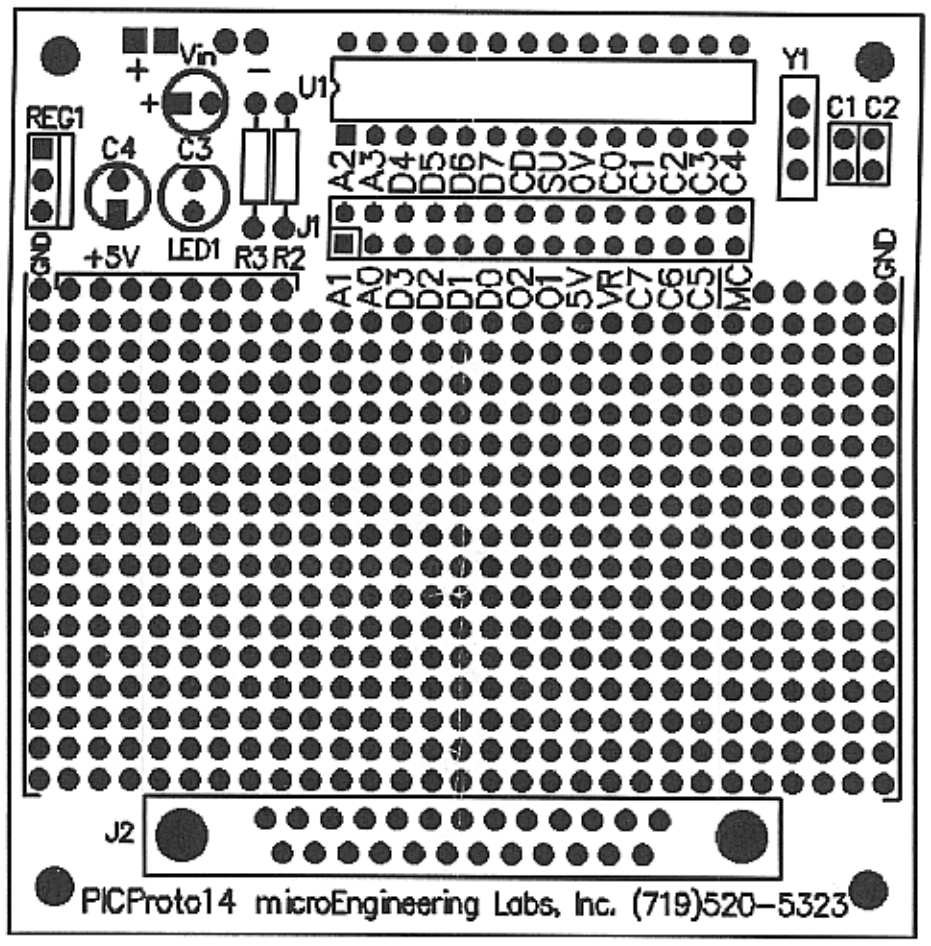
$14.95

CO residents add .45 sales tax

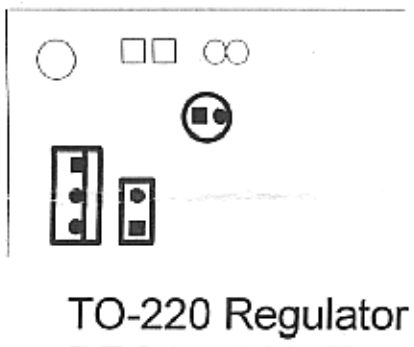
- High quality double-sided board
- Solder mask both sides
- More than 500 plated-through holes
- 4 mounting holes
- Overall dimensions 3" X 3"



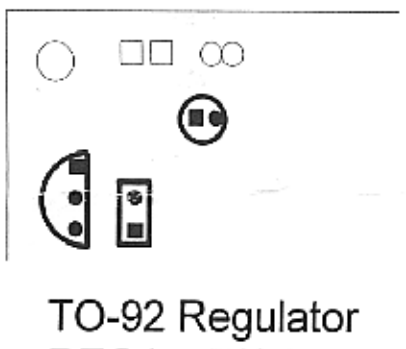
U1 - PIC14000
Y1 - crystal or ceramic resonator
C1, 2 - crystal capacitors
C3 - input capacitor
C4 - bypass capacitor
REG1 - 5 volt regulator
LED1 - LED
R2 - Master Clear resistor
R3 - LED resistor
J1 - PIC I/O connector
J2 - DB9, 15, or 25

Vdd - plus 5 volt buss
GND - ground buss

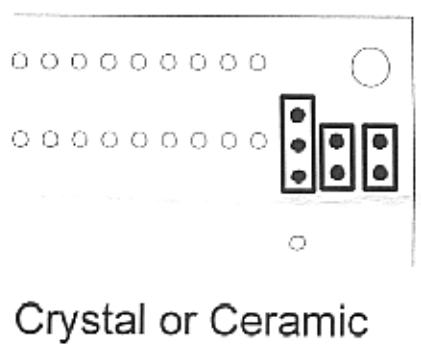
PARTS PLACEMENT:



TO-220 Regulator
REG1 = 7805T
C3 = .1 - 10uf
C4 = .01 - .1uf



TO-92 Regulator
REG1 = 78L05
C3 = .1 - 10uf
C4 = .01 - .1uf



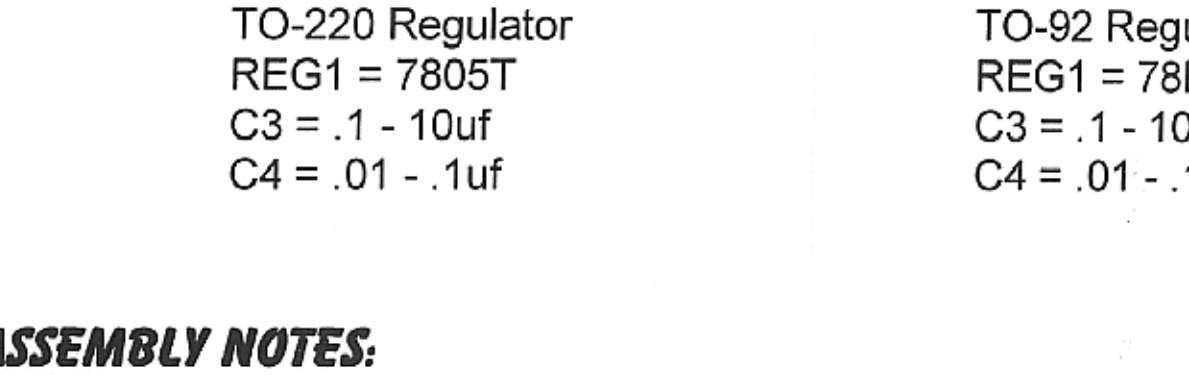
Crystal or Ceramic Resonator
Y1 = 4 - 20MHZ
C1, 2 = 10 - 68pf

ASSEMBLY NOTES:

Pin 1 of U1 is marked with a square pad.
Note polarity of Vin, REG1, LED1 and any polarized capacitors.

Don't forget to pull-up Master Clear to Vdd.
All unused inputs should be tied to Vdd or ground.

SCHEMATIC:



SOURCES:

PIC microcontroller documentation is available from:
Microchip Technology Inc.
2355 West Chandler Blvd.
Chandler AZ 85224-6199
(602) 786-7200
(602) 786-7627 fax

microEngineering

Rev297